Executive Summary of Project for BIP and BTOP:
8. Infrastructure Projects
Executive Summary

   The Loveland Fire Station Fiber Plant Expansion project will replace the current inadequate DS1 connections at Loveland Fire Stations 4 and 5 with gigabit ethernet connectivity. ███ ███ The project will enable the City of Loveland to add the public safety entities as nodes on a City LAN fiber loop. Loveland Fire Station 4 is colocated with the Fort Collins - Loveland Municipal Airport management staff. The airport staff and fire stations personnel are to be the only end customers of the connections. The connections will provide for a more reliable robust connection to City public safety applications. It will also provide training opportunities not currently available. The Airport staff will have more reliable access to daily TSA requirements and downloads.

   The City of Loveland is an equal opportunity employer and is subject to state and federal equal opportunity laws.

   The proposed broadband connection will be provided by extending fiber laterals from one of the existing City of Loveland fiber loops to the fire stations. The fiber will be spliced and connectivity will be provided by layer 3 802.3 ethernet switches with 1000Base-X fiber optics. Connections to clients at the stations will be provided by 100Base-T and 1000Base-T connections.

   The City of Loveland Information Technology Department has managed 1 Gb/s and 10 Gb/s fiber looped and meshed networks since 2001. There are 14 nodes on over 30 miles of fiber throughout the City. All network devices and optics are managed and maintained by staff 24/7. The IT staff have managed numerous similar projects to add facilities to the City LAN.

   The total cost of the project is $220,630.00 directly related to installation costs and network equipment. ██ ██████████████ The return on investment ████████ is 17 months. The only subscibers for this project will ever be staff at fire stations and airport management.

   The City would not otherwise be able to budget this project given current and projected financial conditions. ██ ██████████ ███████████████████████████████████████